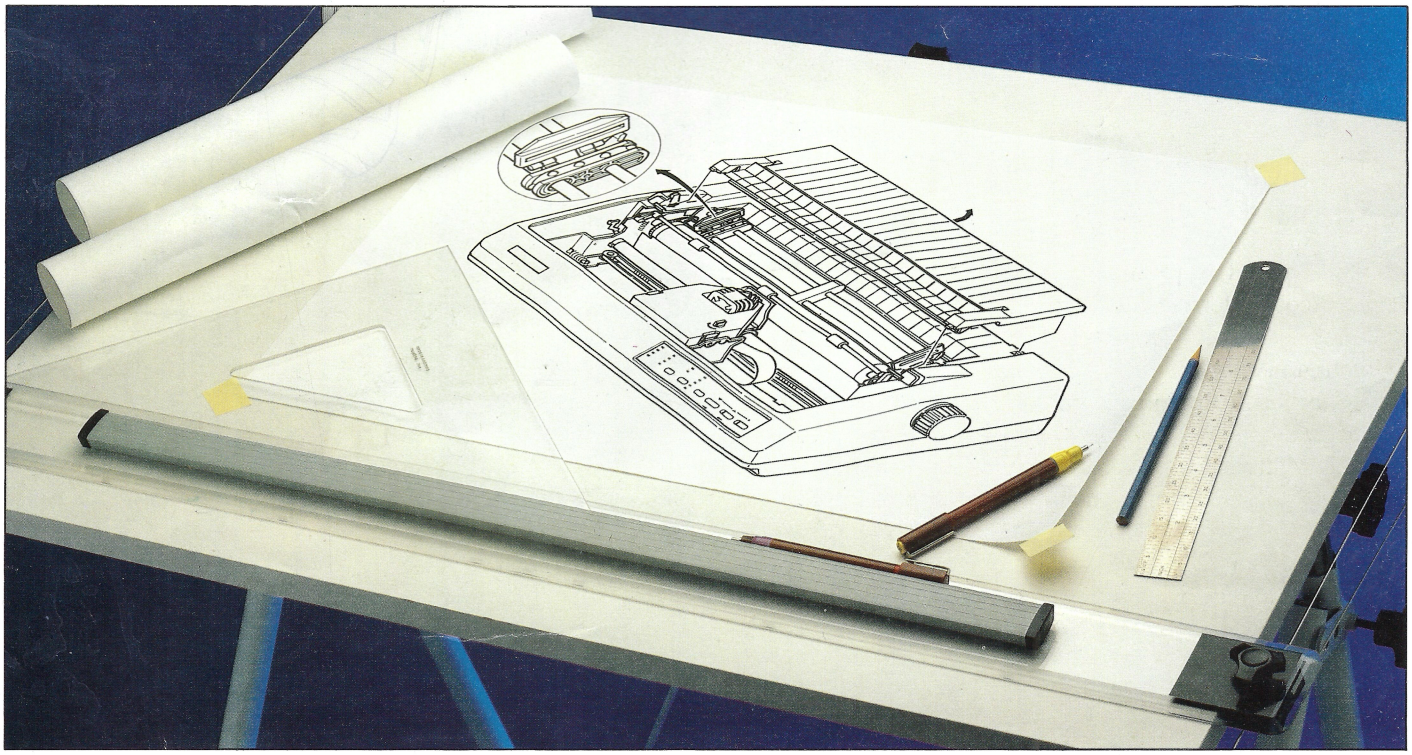
THE PROFESSIONAL SERIES

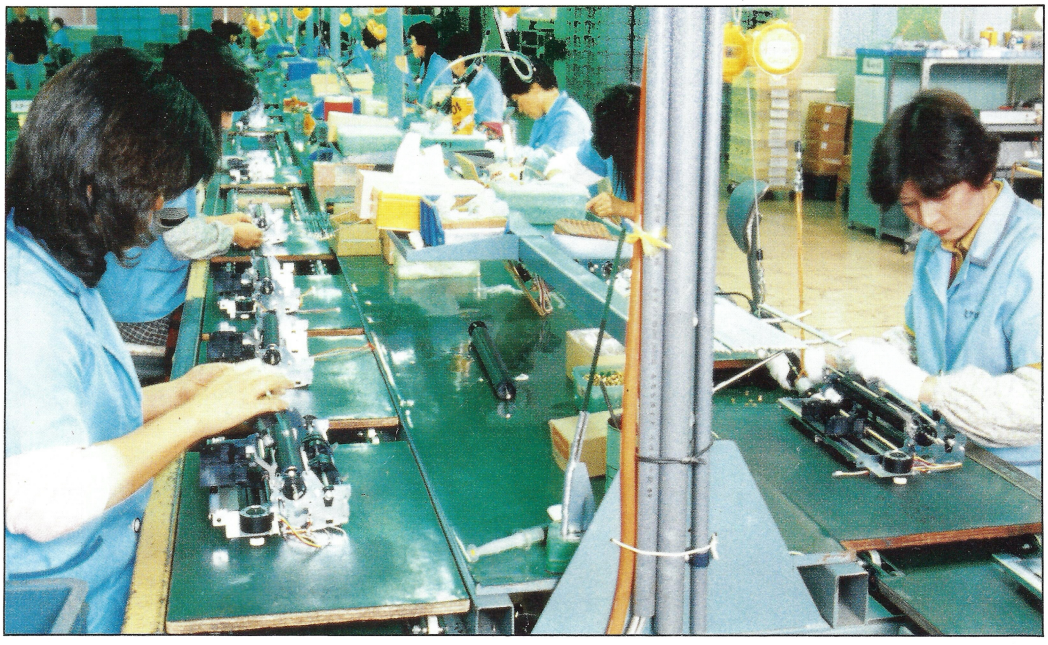
THE Star COMPUTER PRINTERS

The Professional Series



Introducing the Professional Series from one of the most respected names in printer technology today – Star Micronics. Founded in Japan in 1947 as a precision engineering company, we have firmly established ourselves as one of the fastest growing suppliers of computer printers.

In striving for perfection and total reliability, we like to be in control every step of the way. From the latest state-of-the-art printer, to the machinery that actually produces the printers. We even go as far as manufacturing the machine tools that make our machinery. All this in addition to the rigorous inspections carried out during the manufacturing process has enabled us to introduce twelve months **On Site Warranty** on the entire Professional Series of printers (UK mainland only).



Print Quality

Professional in every sense of the word, our new Series will add polish to any presentation.

Introducing Super Letter Quality (SLQ) printing, the XB24-10 and the XB24-15 leads the way with an ingenious 48-pin dot matrix producing an exceptionally impressive resolution. Every character may use 35 x 48 dots to give even better print definition. Select our Letter Quality mode and you're still looking at an extremely sharp 35 x 24 dots per character.

Ultra high resolution graphics, as you would expect, are included as standard with a capacity of 360 x 360 dpi. They are addressable through a wide choice of popular graphic software.

The XB models offer the widest choice of resident fonts in any dot matrix printer available today, 25 Letter Quality fonts and 4 Super Letter Quality fonts to be exact – three of which are OCR fonts (including barcode Code 39).

Not everyone requires Super Letter Quality, but their priorities may lie with speed for high volume printing with Near Letter Quality for secondary applications. We believe the FR-10 and the FR-15 offer the greatest compromise between speed and Near Letter Quality output of any 9-pin printer available.

All printers in the Professional Series offer the choice of 7 colour (including black) printing as a low-cost option which can be simply installed by the user.

Performance

When designing the Professional Series, attention was given to detail at every level. With the introduction of the Professional FR printers, throughput has been increased by up to 20% by means of an impressive 300 cps in draft elite; printing bi-directionally both in draft and at 76 cps in Near Letter Quality with logic seeking i.e. by the shortest route with an improved paper feed rate of 21 lines/3.4 inches per second.

Simplicity

What could be easier than a printer that configures itself.

Simply select the "Memory Switch", more formally known as the E^2 PROM, and then choose your font, pitch size or margin etc. from an informative spread sheet that's printed as you need it. You'll even receive a status report to remind you of your precise instructions.

Simple. Because we've cut down on the switches and the headaches. And when you switch the printer off, it stores and memorises for up to 5 years every step you've made, ready for the next time.

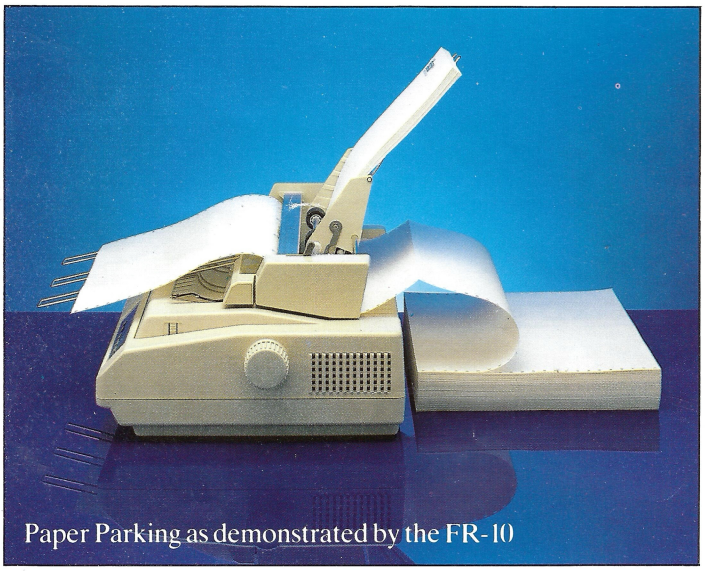
XB24-10 Front Control Panel

2. Simplicity. Designed with the user in mind the XB24-15 features the ultimate in set-up facilities. The Memory Switch eliminates the need for dip switches for all but the most basic functions, allowing the printer to configure itself by way of a printer set up select facility which is stored in the E^2-PROM.

3. Versatility. The XB24-15 introduces Super Letter Quality (SLQ) printing for the first time by achieving a 48 pin matrix from a 24 pin printer. This in addition to it's 25 resident Letter Quality fonts, including Barcode 39, demonstrates the true flexibility of this machine. Some examples of the many print styles available include: **Outline**, Shadow and **Shadowed Outline**, IBM sets ┌╨┬┐ ▀ωï, Double-Strike , Underline, and Overline. Fonts include: Tms Romn Tw-Light Courier Prestige *Script* OCR-B OCR-A Letter Gothic Blippo ORATOR Helvet Optimo **Cinema** Greek SLQ Tms Romn SLQ Tw-Light.

4. Performance. When you have large volumes of text to print, the Star XB24-15 is capable of printing up to 240 cps and with it's generous 41K byte buffer (expandable to 201K byte) your computer will be quickly released for it's next task, **whilst it's 24 pin head is capable of producing excellent Letter Quality at 80 cps.**

5. Support. This is guaranteed through Star's 3 tiered supply network ensuring ease of setup with reliable after sales service via the most experienced dealers in the country, backed by the key distributors in the industry



Paper Parking as demonstrated by the FR-10

Paper Management

For assured and easy paper handling every printer has a push tractor and friction feed fitted as standard. For heavier multi-part stationery needs, simply take up the option of our low-cost pull tractor unit to ensure feed reliability.

The Professional Series is built to save you paper as well as overheads. There's a facility for minimised short form tear off and each one features the Paper Parking facility that is almost unique in 9-pin dot matrix printers. At the touch of a button you can change from continuous stationery to a single sheet whilst actually using the automatic sheet feeder.

First and last line printing are on the menu, and both 10″ and 15″ plattens are wide enough to handle A4 and A3 landscapes respectively.

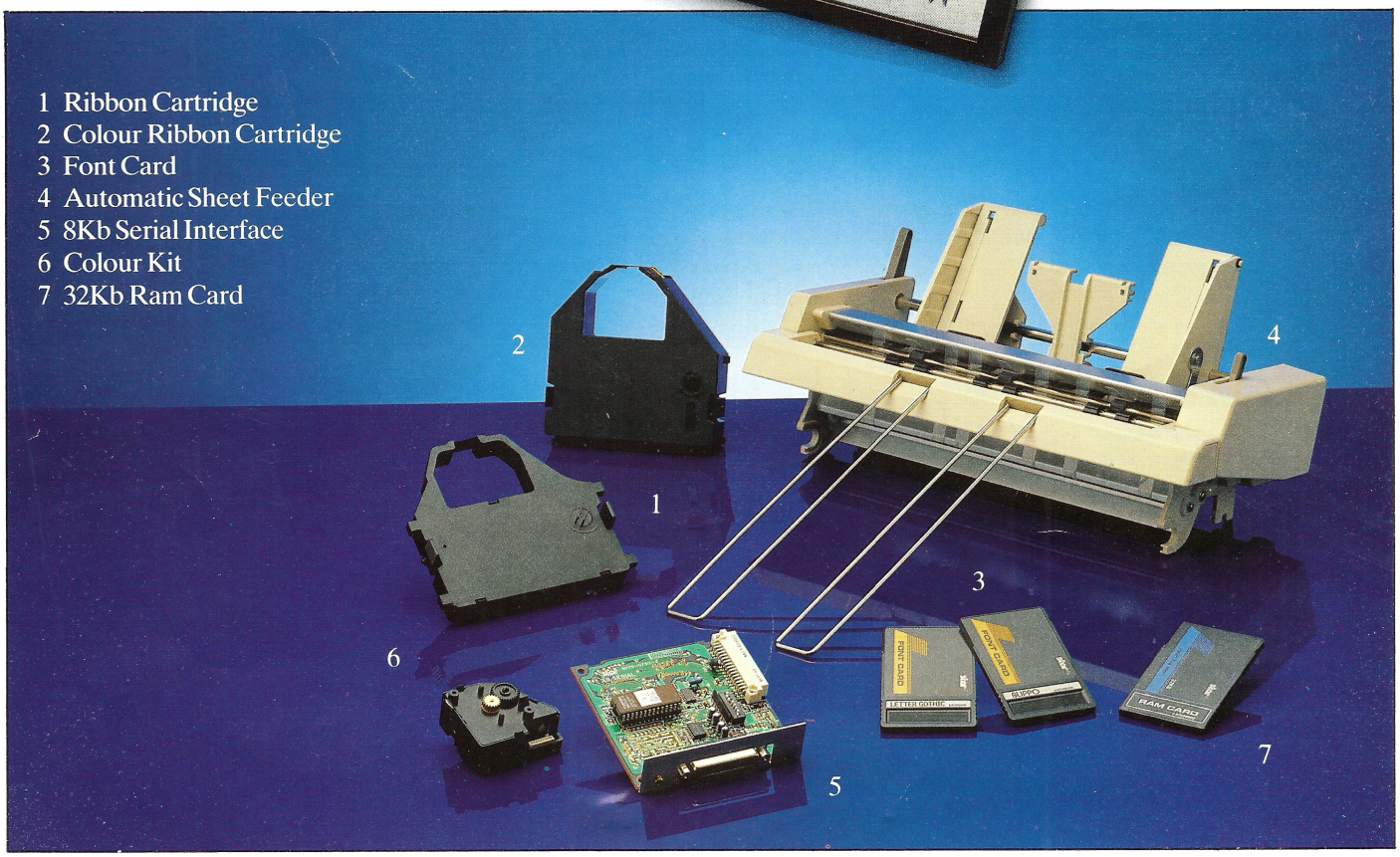
Support

Behind every printer there is a guarantee of proven reliability born of 40 years experience in precision manufacturing.

The Professional Series now includes twelve months **On-Site Warranty in the UK.** Should you need any help at any time you can rely on our national three-level support system operating throughout our dealer network backed up by the finest distributors in the country.

Accessories

1 Ribbon Cartridge
2 Colour Ribbon Cartridge
3 Font Card
4 Automatic Sheet Feeder
5 8Kb Serial Interface
6 Colour Kit
7 32Kb Ram Card



FR-10

This is the printer that many busy professionals will have been waiting for in terms of the additional speed available and NLQ print quality. Throughput has been increased by as much as 20% over previous models by way of improved paper slew rate and a maximum print speed of 300 cps.

The FR-10 printer has been designed to be the most cost effective, 10″ carriage, office workhorse. It has the flexibility to select either single sheets or continuous stationery at the press of a button, even while using the optional low cost automatic sheet feeder and the ability to select any one of the 16 resident NLQ fonts. Multiple fonts are seldom found on 9-pin printers of this type as normally the quality of print is not high enough to give the clarity required. The FR-10 breaks all the rules here as it would normally be used for more data orientated applications rather than those of text.

FR-15

This is the 15″ version of the FR-10, ideally suited for the widest of printing jobs from spreadsheets to stock listings. The paper path on both FR models has been cleared as far as possible in order to allow the insertion of both A4 and A3 paper in its landscape orientation.

XB24-10

The XB24-10 is probably the ultimate in 24 pin matrix printers available today, giving an excellent combination of speed, quality and of course flexibility in use. For the most discerning users the Professional Series printers have been finely tuned to be quieter, faster and with maximum choice of fonts available, all resident in the printers memory and selectable from the comprehensive front control panel.

The XB24-10 introduces Super Letter Quality (SLQ) for the first time on four of the resident fonts. By making a second pass while printing it is now possible to create a 48-pin matrix with a 24-pin print head,without additional cost to the user. Where a greater choice is required the XB24-10 still has an additional 25 Letter Quality (LQ) fonts, three of which are OCR fonts including Code 39 bar code.

XB24-15

As with the FR models, the XB24-15 is the wider version of the XB24-10 offering all the above facilities, but on a printer with a 15″ carriage. The XB24-10 and 15 both print at 240 cps in draft mode yet they can both coast through Letter Quality printing at 76 cps.

FR-10, FR-15 Resident Fonts
Letter Quality: Courier, Sans Serif, L Gothic, Orator, Script, OCR-B, TW-Light Cinema.

XB24-10/XB24-15 Resident Fonts
Super Letter Quality: Tms Roman, TW-Light
Letter Quality: Tms Roman, TW-Light, Courier, Prestige, Script, OCR-A, OCR-B, L Gothic, Blippo, Orator, Cinema, Greek.

Please note all of the above are available in italics and in varying widths and heights – quad and double height to name but two.

i. All printers in this range have the option of a low cost 7 colour (including black) upgrade module which can be fitted very easily by virtually anyone.

ii. All models feature full paper parking for continuous stationery, even while the automatic sheet feeder is fitted and they all have the ability to print on the very first and last line of individual single sheets.

iii. The E^2 PROM "Memory Switch" is included on all Professional Series models which will allow you to use the printer to virtually configure itself for all normal default settings and then stores them long-term.

THE STAR COMPUTER PRINTERS

	FR-10	FR-15	XB24-10	XB24-15
Performance				
Draft Elite Speed (cps)	300	300	240	240
Near Letter Quality Elite Speed (cps)	76	76	–	–
Letter Quality Elite Speed	–	–	80	80
Slew Rate – paper feed (ins per sec.)	3.05	3.4	3.6	3.6
Standard Buffer	31k	31k	27k	41k
Maximum Buffer size (option)	159k	159k	187k	201k
Print Quality				
No. of Pins	9	9	24	24
No. of SLQ fonts	–	–	4	4
No. of NLQ/LQ resident fonts	16	16	25	25
OCR/Barcode	✗/-	✗/-	✗	✗
Panel Selectable Font Cartridges	–	–	✗	✗
Maximum Dots per Inch (Bit Image Mode)	240	240	360	360
Maximum Single Character Matrix	18 × 23	18 × 23	35 × 48	35 × 48
Paper Management				
Push Feed Tractor with short form tear-off	✗	✗	✗	✗
Pull feed (Option)	✗	✗	✗	✗
Paper Park without ASF fitted	✗	✗	✗	✗
with ASF fitted	✗	✗	✗	✗
No. of Carbonless copies	1 + 3	1 + 3	1 + 3	1 + 3
Paper width (maximum)	11.7"	16.6"	11.7"	16.6"
A3/A4 Landscape	A4	A3	A4	A3
Microfeed in both directions	✗	✗	✗	✗
Compatibility				
Fully Industry Standard compatible	✗	✗	✗	✗
Serial Interface (option)	✗	✗	✗	✗
Software Functions				
E^2 PROM – Memory Switch	✗	✗	✗	✗
Software Override Facility	✗	✗	✗	✗
Bidirectional with Logic seeking – in NLQ/LQ mode	✗	✗	✗	✗
– with graphics	✗	✗	✗	✗
Hex Dump	✗	✗	✗	✗
Physical Dimensions				
Width (mm)	451	593	451	593
Depth (mm)	341	341	341	341
Height (mm)	139	139	139	139
Weight (Kg)	8.0	8.0	10.4	10.4
Accessories				
Font Cartridges	–	–	✗	✗
32 Kb Ram Card	–	–	✗	✗
128 Kb Parallel Interface	✗	✗	✗	✗
Pull Tractor Option	✗	✗	✗	✗
Colour Kit (user installable)	✗	✗	✗	✗
8K Serial Interface	✗	✗	✗	✗
Black Ink Ribbon Cartridge	✗	✗	✗	✗
Colour Ink Ribbon Cartridge	✗	✗	✗	✗
Auto Sheet Feeder (single bin)	✗	✗	✗	✗
GUARANTEED STAR RELIABILITY	✗	✗	✗	✗
12 Month On-Site Warranty (UK Mainland only).	✗	✗	✗	✗

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